

## Non-Blocking Keypad Documentation

### 1. Data types table

Name:	EN_keypadStatus_t		
Type:	Enumeration		
Range:	NOT_PRESSED	0	
	DEBOUNCING	1	
Description:	Defines the two states of a Push Button		

### 2. API design table

Name:	KEYPAD_scan		
Arguments:	Input:	None	
	Output:	Name:	Type:
		u8_pressedKey	uint8_t
Return:	NOT_PRESSED: 0		
	DEBOUNCING: 1		
Description:	Used to scan the pressed key number		

### 3. API design table

Name:	KEYPAD_nonBlockingScan		
Arguments	Input:	None	
	Output:	Name:	Type:
		u8_pressedKey	uint8_t
Return:	void		
Description:	Performs state machine operation based on the returned state form KEYPAD_scan function		

#### 4. API design table

Name:	KEYPAD_init	
Arguments:	Input:	none
	Output:	none
Return:	None	
Description:	Initializes the keypad driver	